

ADDENDUM #1 – 2016 STREET RECONSTRUCTION PROJECT 3/30/2016 PROJECT #2016-01

The purpose of this addendum to the 2016 Street Reconstruction Project is to adjust the way the street removal is to ADD Common Excavation Line Item, ADD Remove Existing Pavement Line Item, DELETE Reclaim 6" Bituminous Pavement and Class 5, DELETE Dispose of Excess Reclaim Material, DELETE Remove Concrete Sidewalk Pavement, and update quantities listed below within the street reconstruction area. This addendum shall be attached to the Contract Documents and included as part of said Contract Documents. Items herein shall take precedence over any clauses which they modify in the Contract Documents or portions of drawings which they modify or supplement.

SCHEDULE OF PRICES CHANGES

PART 3 – DEMOLITION AND REMOVALS

1. **ADD** the following **Pay Item**:

REMOVE EXISTING PAVEMENT, SQ YD, (65,321), Contractor will remove and dispose of all existing pavement. This does not exclude the potential to re-use material on this project.

2. **ADD** the following **Pay Item**:

2105.501, COMMON EXCAVATION, CU YD, (25,279)

3. **DELETE** the following **Pay Item**:

RECLAIM 6" BITUMINOUS PAVEMENT AND CLASS 5, SQ YD, (71,910)

4. **DELETE** the following **Pay Item**:

DISPOSING OF EXCESS RECLAIMED MATERIAL, CU YD, (3,189)

5. **DELETE** the following **Pay Item**:

REMOVE CONCRETE SIDEWALK PAVEMENT, SQ FT, (1)

6. **REVISE** the following **Pay Item**:

REMOVE CURB AND GUTTER – ALL TYPES, LIN FT, (49,299)

PART 5 – EARTHWORK

1. **REVISE** the following **Pay Item**:

SUBGRADE EXCAVATION, CU YD, (1,436)

2. **REVISE** the following **Pay Item**:

3" MINUS STABILIZATION AGGREGATE, CU YD, (1,436)

3. **REVISE** the following **Pay Item**:

SELECT GRANULAR BORROW MOD (CV), CU YD, (3,101)

4. **REVISE** the following **Pay Item**:

AGGRGATE BASE, CLASS 5, TONS, (25,279)

PART 6 – CONCRETE

1. **REVISE** the following **Pay Item**:

CONCRETE CURB AND GUTTER – SURMOUNTABLE, LIN FT, (44,268)

PART 7 – PAVEMENT

1. **REVISE** the following **Pay Item**:

2" NON-WEAR COURSE MIX TYPE SP 12.5 (2,B) SPNWB230B, SQ YD, (65,321)

2. **REVISE** the following **Pay Item**:

BITUMINOUS MATERIAL FOR TACK COAT, GAL, (3,343)

3. **REVISE** the following **Pay Item**:

1.5" WEAR COURSE MIX TYPE SP 9.5 (2,B) SPWEA230B, SQ YD, (70,400)

PART 8 – RESTORATION

1. **REVISE** the following **Pay Item**:

4" TOPSOIL AND SOD, SQ YD, (10,793)

Please replace the Schedule of Prices in your Specification book for 2016-01 Street Reconstruction Project with the enclosed Schedule of Prices

PROJECT CHANGES

The project manual has been revised to reflect the following changes:

1. Change from Full Depth Reclamation to Common Excavation

The design intent for the project has been changed from requiring FDR on the existing pavement and base section, to removing the existing pavement, common excavate the existing base, proof roll the subgrade, correct any sugbrade deficiencies, replace base with acceptable Class 5 product or equivalent per MNDOT Standard Specifications, and pave. Contractor has the option to reclaim and use existing material if they can demonstrate that it will pass MNDOT Class 5 aggregate gradation specifications for mixed or recycled Class 5.

2. Several questions have arisen about the packet's Ad For Bid stating a bid opening date of 08APR2016 and the Quest CDN Bid Date of 18APR2016. 18APR2016 is the valid date for the bid opening. All other dates are not valid.

PLAN SHEETS

- 1. **REPLACE sheet 2** with the revised Sheet 2 attached to this addendum. Statement of Estimated Quantities updated to reflect revised and added quantities for additional work related to changes stated above.
- 2. **REPLACE sheet 3** with the revised Sheet 2 attached to this addendum. Earthwork Tabulation updated to reflect revised and added quantities for additional work related to changes stated above.

Please contact the Engineering Department, 763-494-6350, with any questions.

Thank You,
Joseph Bzdok
Project Coordinator
City of Maple Grove

ADDENDUM NUMBER 1 - 30MAR2016

2016-01: WELLINGTON CREST STREET REHABILITATION

O. ₹T 1	ITEM DESCRIPTION - GENERAL ITEMS	UNITS	QTY	UNIT COST	_	AMOUNT
	MOBILIZATION	LUMP SUM			\$	
2	TRAFFIC CONTROL	LUMP SUM			\$	
3	TEMPORARY MAILBOX	EACH			\$	
4	SALVAGE AND INSTALL MAILBOX	EACH			\$	
5	WATER FOR DUST CONTROL	MGAL			\$	
6	SPECIAL WATER USE	MGAL			\$	
7	PHASE 1 INCENTIVE (DO NOT CHANGE QUANTITY OR VALUE)	LUMP SUM	1	\$20,000.00	\$	20
8	PHASE 2 INCENTIVE (DO NOT CHANGE QUANTITY OR VALUE)	LUMP SUM	1	\$20,000.00	\$	20
9	PHASE 3 INCENTIVE (DO NOT CHANGE QUANTITY OR VALUE)	LUMP SUM	1	\$20,000.00	\$	20
10	TOTAL INCENTIVE BONUS: ONLY IF ALL THREE PHASE INCENTIVES ACHIEVED	LUMP SUM	1	\$15,000.00	\$	15
11	SALVAGE AND INSTALL SIGN	EACH			\$	
	- EROSION CONTROL					
12	SILT FENCE, TYPE PREASSEMBLED	LIN FT			\$	
13	DRAINAGE STRUCTURE SEDIMENT PROTECTION	EACH			\$	
ART 3	- DEMOLITION AND REMOVALS					
14	REMOVE EXISTING PAVEMENT	SQ YD			\$	
15	MILL AND REMOVE EXISTING BITUMINOUS STREET (1.5")	SQ YD			\$	
16	COMMON EXCAVATION	CU YD			\$	
17	SAWING CONCRETE PAVEMENT	LIN FT			\$	
18	SAWING BITUMINOUS PAVEMENT	LIN FT			\$	
19	REMOVE CURB AND GUTTER - ALL TYPES	LIN FT			\$	
20	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ FT			\$	
21	REMOVE BITUMINOUS DRIVEWAY OR BITUMINOUS TRAIL	SQ YD			\$	
22	SALVAGE AND INSTALL PAVERSTONE DRIVEWAYS	SQFT			\$	
	- UTILITIES				1	
23	SALVAGE AND INSTALL CASTING (storm & sanitary)	EACH			\$	
	REMOVE AND NEW CASTING MH CASTING R-1642	EACH			s	
	REMOVE AND NEW CASTING MR CASTING R-1042 REMOVE AND NEW CASTING R-3067-V STORM GRATE	EACH			\$	
26	REMOVE AND NEW CASTING R-3007-V STORM GRATE REMOVE DRAINAGE STRUCTURE	EACH			\$	
27	CONNECT INTO EXISTING CATCH BASIN OR MANHOLE	EACH			\$	
28	15" CONCRETE STORM SEWER PIPE - OPEN CUT	LIN FT			\$	
29	INSTALL CATCH BASIN - 2'X3'	EACH			\$	
30	INSTALL CATCH BASIN MANHOLE - 48"	EACH			\$	
31	INSTALL 84" CATCH BASIN MANHOLE W/ 4' SUMP - 6'-10' BUILD	EACH			\$	
32	ADJUST GATE VALVE	EACH			\$	
33	4" PERFORATED PVC PIPE SUBDRAIN	LINFT			\$	
34	6" PVC SUMP DRAIN	LIN FT			\$	
35	6" PVC 'END OF LINE' SUMP DRAIN CLEANOUT W/ SERVICE WYE	EACH			\$	
36	CONNECT 4" OR 6" PVC PIPE INTO DRAINAGE STRUCTURE	EACH			\$	
37	GROUT CATCH BASIN OR MANHOLE	EACH			\$	
38	STORM SEWER BAFFLE DEVICE - DISSIPATOR; 21" PIPE	EACH			\$	
39	STORM SEWER BAFFLE DEVICE - DISSIPATOR; 30" PIPE	EACH			\$	
40	STORM SEWER BAFFLE DEVICE - DISSIPATOR; 36" PIPE	EACH			\$	
41	STORM SEWER BAFFLE DEVICE - SKIMMER; 30" PIPE	EACH			\$	
42	STORM SEWER BAFFLE DEVICE - SKIMMER; 36" PIPE	EACH			\$	
	- EARTHWORK				1.	
_	SUBGRADE EXCAVATION	CU YD			\$	
44	3" MINUS STABILIZATION AGGREGATE	CU YD			\$	
45	SELECT GRANULAR BORROW MOD (CV)	CU YD			\$	
46	AGGREGATE BASE, CLASS 5	TONS			\$	
	- CONCRETE					
47	CONCRETE CURB & GUTTER - SURMOUNTABLE	LIN FT			\$	
48	CONCRETE CURB & GUTTER - B618	LIN FT			\$	
48	6" CONCRETE DRIVEWAY WITH 4" CLASS 5 BASE	SQ FT			\$	
49	6" CONCRETE SIDEWALK WITH 4" CLASS 5 BASE	SQ FT	·		\$	
50	8" CONCRETE SIDEWALK OR DRIVEWAY WITH 6" CLASS 5 BASE	SQ FT			\$	
51	8" CONCRETE VALLEY GUTTER	SQ FT			\$	
52	REMOVE AND INSTALL PEDESTRIAN CURB RAMP - ONE-WAY	EACH			\$	
53	REMOVE AND INSTALL PEDESTRIAN CURB RAMP - FAN	EACH			\$	
ART 7	- PAVEMENT					
54	2" NON-WEAR COURSE MIX TYPE SP 12.5 (2,B) SPNWB230B	SQ YD			\$	
55	BITUMINOUS MATERIAL FOR TACK COAT	GALLON			\$	
56	1.5" WEAR COURSE MIX TYPE SP 9.5 (2,B) SPWEA230B	SQ YD			\$	
57	3" DRIVEWAY PATCHING MIX TYPE SP 9.5 (2,B) SPWEA240B	SQ YD			\$	
58	2.5" BITUMINOUS TRAIL MIX TYPE SP 9.5 (2,B) SPWEA240B	SQ YD			\$	
	- RESTORATION					
59	4" TOPSOIL AND SOD	SQ YD			\$	
60	LANDSCAPE RESTORATION	EACH			\$	
61	SALVAGE AND REPAIR IRRIGATION SYSTEM	EACH			\$	
62	REPAIR UNDERGROUND PET CONTAINMENT SYSTEM	EACH			\$	
_	- PAVEMENT MARKING					
63	4" SOLID LINE WHITE - PAINT	LF			\$	
64	4" BROKEN LINE WHITE - PAINT	LF			\$	
_	4" BROKEN LINE YELLOW - PAINT	LF			\$	
66	CROSSWALK MARKING WHITE - PAINT	SF			\$	
67	PVT MSG (RIGHT ARROW) WHITE - PAINT	EACH			\$	
	,				_	
_	PVT MSG (LEFT ARROW) WHITE - PAINT	EACH			S	

ENGINEERS ESTIMATED QUANTITIES - ADDENDUM NO. 1 2016-01 MAPLE GROVE RECONSTRUCTION PROJECT										
NO.	ITEM DESCRIPTION	UNITS	PROJECT TOTAL QUANTITIES	2016-01 Phase I QUANTITIES	2016-01 Phase 2 QUANTITIES	2016-01 Phase 3 QUANTITIES				
PART	I - GENERAL ITEMS									
1	MOBILIZATION	LUMP SUM	1	0.4	0.2	0.4				
2	TRAFFIC CONTROL	LUMP SUM	1	0.5	0.3	0.2				
3	TEMPORARY MAILBOX	EACH	506	226	137	143				
4	SALVAGE AND INSTALL MAILBOX	EACH	403	181	110	112				
5	WATER FOR DUST CONTROL	MGAL	4	1	1	1				
6	SPECIAL WATER USE	MGAL	4	1	1	1				
7	PHASE 1 INCENTIVE (DO NOT CHANGE QUANTITY OR VALUE)	EACH	1	1	-	-				
8	PHASE 2 INCENTIVE (DO NOT CHANGE QUANTITY OR VALUE)	EACH	1	-	1	-				
9	PHASE 3 INCENTIVE (DO NOT CHANGE QUANTITY OR VALUE)	EACH	1	-	-	1				
10	TOTAL INCENTIVE BONUS: ONLY IF ALL THREE PHASE INCENTIVES ACHIEVED	EACH	1	0	0	0				
11	SALVAGE AND INSTALL SIGN	EACH	9	9	-	-				
	2 - ERCSION CONTROL									
12	SILT FENCE, TYPE PREASSEMBLED	LIN FT	1	-	- 1	-				
	DRAINAGE STRUCTURE SEDIMENT PROTECTION	EACH	78	41	21	16				
	3 - DEMOLITION AND REMOVALS									
	REMOVE EXISTING PAVEMENT	SQ YD	65,321	32,822	15,752	16,747				
	MILL AND REMOVE EXISTING BITUMINOUS STREET (1.5")	SQ YD	5,079	540	4,539					
	COMMON EXCAVATION	CUYD	25,279	14,148	5,396	5,736				
	SAWING CONCRETE PAVEMENT	LIN FT	2,554	1,667	887	-				
	SAWING BITUMINOUS PAVEMENT	LIN FT	7,838	3,567	1,990	2.281				
	REMOVE CURB AND GUTTER - ALL TYPES	LIN FT	49,299	23,200	12,524	13,575				
_	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ FT	2,762	1,337	752	673				
	REMOVE BITUMINOUS DRIVEWAY OR BITUMINOUS TRAIL	SQ YD	1,602	720	395	488				
	SALVAGE AND INSTALL PAVERSTONE DRIVEWAYS	SQ FT	84	84		-				
	4 - UTIUTIES			0.						
	SALVAGE AND INSTALL CASTING (storm & sanitary)	EACH	148	76	29	43				
	REMOVE AND NEW CASTING MH CASTING R-1642	EACH	13	4	7	2				
	REMOVE AND NEW CASTING R-3067-V STORM GRATE	EACH	5	5						
	REMOVE DRAINAGE STRUCTURE	EACH	1	-	-	-				
	CONNECT INTO EXISTING CATCH BASIN OR MANHOLE	EACH	4	4	_					
28	15" CONCRETE STORM SEWER PIPE - OPEN CUT	LIN FT	340	340	-	-				
	INSTALL CATCH BASIN - 2'X3'	EACH	1	1	_					
	INSTALL CATCH BASIN MANHOLE - 48"	EACH	3	3	-	-				
	INSTA.L 84" CATCH BASIN MANHOLE W/ 4' SUMP - 6'-10' BUILD	EACH	2	-	2	-				
32	ADJUST GATE VALVE	EACH	72	35	19	18				
	4" PERFORATED PVC PIPE SUBDRAIN	LIN FT	700	300	200	200				
34	6" PVC SUMP DRAIN	LIN FT	160	160	-	-				
35	6" PVC 'END OF LINE' SUMP DRAIN CLEANOUT W/ SERVICE WYE	EACH	1	1	-	-				
36	CONNECT 4" OR 6" PVC PIPE INTO DRAINAGE STRUCTURE	EACH	14	6	4	4				
37	GROUT CATCH BASIN OR MANHOLE	EACH	6	2	2	2				
38	STORM SEWER BAFFLE DEVICE - DISSIPATOR; 21" PIPE	EACH	1	1	-	-				
39	STORM SEWER BAFFLE DEVICE - DISSIPATOR; 30" PIPE	EACH	1	-	1	-				
40	STORM SEWER BAFFLE DEVICE - DISSIPATOR; 36" PIPE	EACH	1	-	1	-				
41	STORM SEWER BAFFLE DEVICE - SKIMMER; 30" PIPE	EACH	2	1	1	-				
42	STORM SEWER BAFFLE DEVICE - SKIMMER; 36" PIPE	EACH	1	-	1	-				
PART	5 - EARTHWORK									
43	SUBGRADE EXCAVATION	CUYD	1,436	760	335	341				
44	3" MINUS STABILIZATION AGGREGATE	CUYD	1,436	760	335	341				
45	SELECT GRANULAR BORROW MOD (CV)	CUYD	3,101	3,101	-	-				
46	AGGREGATE BASE, CLASS 5	TONS	25,279	14,148	5,396	5,736				
PART	S - CONCRETE									
47	CONCRETE CURB & GUTTER - SURMOUNTABLE	LIN FT	44,268	19,275	12,000	12,993				
48	CONCRETE CURB & GUTTER - B618	LIN FT	5,031	3,925	524	582				
	6" CONCRETE DRIVEWAY WITH 4" CLASS 5 BASE	SQ FT	14,567	6,789	4,006	3,772				
49	6" CONCRETE SIDEWALK WITH 4" CLASS 5 BASE	SQ FT	17,002	17,002	-	-				
	8" CONCRETE SIDEWALK OR DRIVEWAY WITH 6" CLASS 5 BASE	SQ FT	244	244	_	_				
					-					
	8" CONCRETE VALLEY GUTTER	SQ FT	430	125	35	270				
	REMOVE AND INSTALL PEDESTRIAN CURB RAMP - ONE-WAY	EACH	14	6	2	6				
53	REMOVE AND INSTALL PEDESTRIAN CURB RAMP - FAN	EACH	2	2	-	-				

PART	7 - PAVEMENT										
54	2" NON-WEAR COURSE MIX TYPE SP 12.5 (2,B) SPNWB230B	SQ YD	71,910	32,822	15,752	16,74					
55	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	3,343	1,640	866	83					
56	1.5" WEAR COURSE MIX TYPE SF 9.5 (2,B) SPWEA230B	SQ YD	70,400	33,362	20,291	16,74					
57	3" DRIVEWAY PATCHING MIX TYPE SP 9.5 (2,B) SPWEA240B	SQ YD	113	54	28	3					
58	2.5" BITUMINOUS TRAIL MIX TYPE SP 9.5 (2,B) SPWEA240B	SQ YD	24	4	4	10					
PART 8 - RESTORATION											
59	4" TOPSOIL AND SOD	SQ YD	10,793	5,978	2,305	2,51					
60	LANDSCAPE RESTORATION	EACH	15	12	-						
61	SALVAGE AND REPAIR IRRIGATION SYSTEM	EACH	60	20	20	2					
62	REPAIR UNDERGROUND PET CONTAINMENT SYSTEM	EACH	45	15	15	1:					
PART 9 - PAVEMENT MARKING											
63	4" SOLID LINE WHITE - PAINT	LF	2,615	2,615	-	-					
64	4" BROKEN LINE WHITE - PAINT	LF	504	504	-	-					
65	4" BROKEN LINE YELLOW - PAINT	LF	2,667	2,667	-	-					
66	CROSSWALK MARKING WHITE - PAINT	SF	210	210	-						
67	PVT MSG (RIGHT ARROW) WHITE - PAINT	EACH	2	2	-						
68	PVT MSG (LEFT ARROW) WHITE · PAINT	EACH	2	2	-						

STATEMENT OF ESTIMATED QUANTITIES



2016 MAPLE GROVE STREET RECONSTRUCTION PROGRAM



DRAWN: JRB
CHECKED: JEF
APPROVED: JP
DATE: 3/24/16
CONTR.# ENG 16-1
SHEET 2 of 53

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	A	<u> B</u>	<u> </u>	D	<u> </u>	<u> </u>	G	Н	<u> </u>	J	<u> </u>	<u> </u>	M	N N	0	P	Q
STREET	STREET LENGTH (FT)	(CY)(EV)1	(51)2	FULL DEPTH RECLAMATION PRODUCTION DEPTH (INCHES)3	GROSS RECLAIM AGGREGATE BASE CL 5 (CY)(EV)4	15% WASTE RECLAIM AGGREGATE BASE CL 5 (CY)(EV)5	NET RECLAIM AGGREGATE BASE CL 5 PRODUCTION (CY)(CV)6	SUBGRADE EXCAVATION (CY)(EV)7 12	RECLAIM AGGREGATE BASE CL 5 SALVAGE AND PLACED (CY)(CV)	AGGREGATE (CY)(CV)10	COMMON EXCAVATION - STREET (CY)(EV)(P) 8	TOPSOIL (CY)(EV) 13	AGG. BASE PLACED CL 5 (TON)9	BITUMINOUS NON WEARING COURSE MIXTURE (SQ YD) 12	BITUMINOUS WEAR COURSE MIXTURE (SQ YD) 12	TOPSOIL BORROW (MODIFIED) (CY)(LV)14	SODDING (SY)13
Oakview Lane N	1,443	1,318	4,329	6	722	108	613	80	613	80	705	34	1,818	3,848	3,848	83	498
89TH PL N	1,030	941	3,090	6	515	77	438	57	438	57	503	28	1,298	2,747	2,747	63	378
Jonquil Lane N	290	265	870	6	145	22	123	8	123	8	142	9	350	773	773	19	115
Kirkwood	1,374	1,255	4,122	6	687	103	584	76	584	76	671	27	1,731	3,664	3,664	77	463
90TH Ave N	2,546	2,325	7,638	6	1,273	191	1,082	141	1,082	141	1,243	60	3,208	6,789	6,789	144	863
Magnolia Lane N	1,150	1,050	3,450	6	575	86	489	64	489	64	561	25	1,449	3,067	3,067	66	394
90TH PL N	938	857	2,814	6	469	70	399	52	399	52	458	21	1,182	2,501	2,501	52	314
91ST Ave N	2,561	2,339	7,683	6	1,281	192	1,088	142	1,088	142	1,251	66	3,227	6,829	6,829	147	881
91ST PL N	671	613	2,013	6	336	50	285	37	285	37	328	16	845	1,789	1,789	42	251
92ND Ave N	2,400	2,192	6,084	6	1,014	152	862	133	862	133	1,330	64	3,024	6,400	7,426	138	825
92ND PL N	617	564	1,851	6	309	46	262	34	262	34	302	13	777	1,645	1,645	37	220
Norwood	2,089	1,908	6,390	6	1,065	160	905	116	905	116	1,003	52	2,632	5,571	6,511	125	751
Larch Lane N	928	848	2,784	6	464	70	394	52	394	52	454	19	1,169	2,475	2,475	50	298
lves Lane N	975	891	2,925	6	488	73	414	79	414	79	477	23	1,276	2,600	2,600	58	349
Hemlock Lane N	1,365	712	2,340	6	390	59	332	43	332	43	381	42	983	2,080	3,640	91	548
Goldenrod Lane N	1,670	1,525	5,010	6	835	125	710	75	710	75	815	33	2,070	4,453	6,163	150	898
Forestview Lane N	2,600	5,676	9,315	6	1,553	233	1,320	246	1,320	246	4,356	66	3,868	8,089	8,089	169	1,014
TOTAL	24,647	25,279	72,708	102	12,118	1,818	10,300	1,435	10,300	1,435	14,979	598	30,907	65,320	70,556	1,511	9,060

1. QUANTITY INCLUDES ALL MATERIAL BETWEEN THE EXISTING PAVEMENT ELEVATION AND THE PROPOSED SUBGRADE ELEVATION. EXCLUDES CONCRETE CURB & GUTTER VOLUMES AND EXISTING SOD AND TOPSOIL.
2. RECLAIM PRODUCTION= EXISTING BITUMINOUS PAVEMENT WIDTH - 1.0 FOOT x LENGTH OF STREET.

3. APPROXIMATE DEPTH BASED ON SOIL BORINGS USING A 1:0.5 RATIO OF EXISTING BITUMINOUS AND AGGREGATE BASE.

4. COLUMN E = COLUMN C x COLUMN D

5. COLUMN F = COLUMN E x 0.15

6. COLUMN G = COLUMN E - COLUMN F

7. SUBGRADE EXCAVATION IS BASED ON 6 INCH DEPTH FOR 15%

OF THE STREETS.

8. COLUMN K = COLUMN B

- COLUMN G

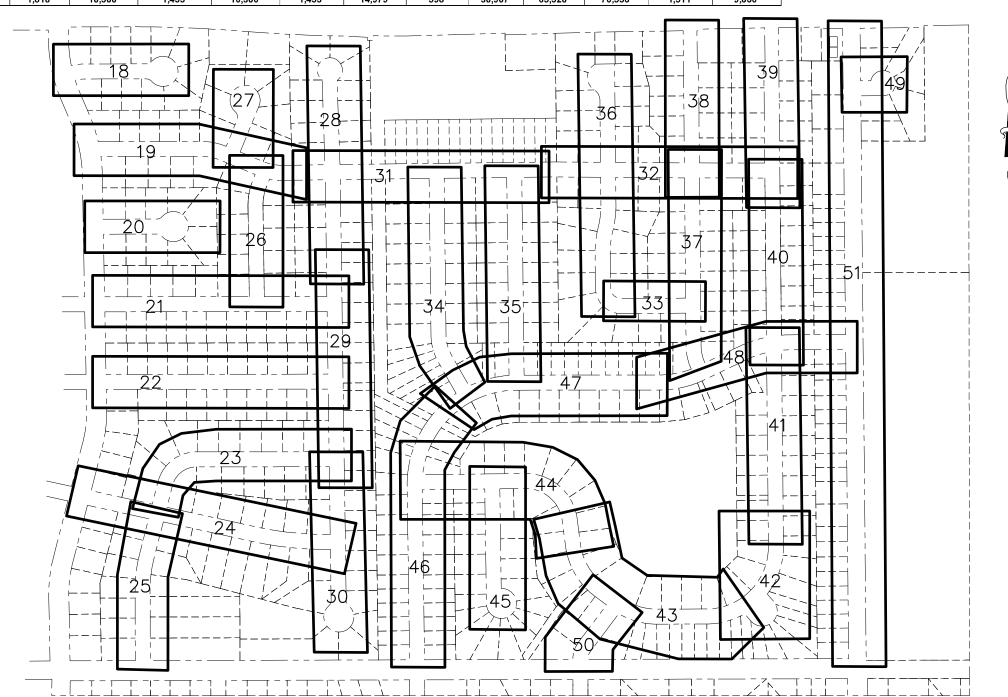
9. VOLUME REQUIRED TO COMPLETE THE AGGREGATE BASE COURSE TYPICAL SECTION AFTER THE RECLAIM VOLUME HAS BEEN EXHAUSTED.

10. ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER FOR SUBGRADE EXCAVATIONS FOUND DURING CONSTRUCTION.

ESTIMATED AT 6 INCH DEPTH FOR 15% OF THE STREETS BASED ON 11. INCLUDES PLACEMENT IN ANY APPROVED LOCATION AS PER THE PROJECT MANUAL.

12. RECLAIM AGGREGRATE BASE CL 5 INTENDED TO FILL SUBGRADE EXCAVATION AREAS.

13. QUANTITY INCLUDES 6-INCHES OF TOPSOIL OVER AN AVERAGE OF 6-FEET BEYOND THE BACK OF CURB ALONG THE LENGTH OF EACH STREET.



EARTHWORK TABULATION

Grove

City of Maple

2016 MAPLE GROVE STREET RECONSTRUCTION PROGRAM

ARED SUF SUR SSION, (S OF)

CHECKED: APPROVED:

CONTR.# ENG 16-1
SHEET **3** OF **53**

DATE:

JEF JP